

The Influence of Temperature on the Weakening of  
Metal Alloys, by I. I. Komilov, 4 pp.

Pull tr

RUSSIAN, thrice-tr per, Dok Ak Nauk SSSR, Vol CVI,  
No 5, 1956, p 845-847.

41,503 Consultants Bureau

ERIKS Sci - Chemistry  
Dec 56 CTS

R.W.Taylor 3773

11/20

Mobility of Sulfur in Organothiophosphorus Compounds; Trialkylthiomophosphates and Dialkyldithiophosphates, by G. P. Mihlukhin, L. V. Gulina, T. A. Mastryukova and N. I. Kabanikhin, 4 pp.

Pull tr

RUSSIAN, thrice-ws per, Dok Ak Nauk SSSR,  
Vol CVI, N No 5, 1956, p 848.

41,584 Consultants Bureau

Sci - Chemistry  
Dec 56 CMS

Deryagin, B. V. and Dukhin, S. S.  
ON THE MOTION OF AEROSOL PARTICLES IN A  
DIFFUSION FIELD [O Dvizhenii Aerozol'nykh  
Chastits v Pote Diffuzii]. [1963] 9p [refs]  
Order from OTS, SLA, or ETC \$1.10 TT-64-10198

Trans. of Akademiya Nauk SSSR. Doklady, 1956,  
v. 106 no. 5 p. 851-854. (Abstract available)  
Another trans. is available from LC or SLA  
no. \$2.40, phs. 3.30 as TT-61-15731, RTS-1742,  
Feb 61 [12p].

**DESCRIPTORS:** •Aerosols, Particles, Diffusion, Motion, Evaporation, Condensation

The forces acting on a drop in a homogeneous field are studied to clarify droplet behavior near surfaces at which evaporation or condensation occurs. A first approximation of a theory is mathematically derived. (Physics, **11**, v. 11, no. 11) (over)

TT-64-10198

I. Deryagin, B. V.  
II. Dukhin, S. S.

Office of Technical Services

Electronic Phenomena in a Semiconducting Catalyst. An Investigation of the Effect of Impurities Dissolved in the Lattice of Nickelous Oxide on Its Catalytic Activity, by N. P. Keyer et al,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 5, pp 859-861, 1956.

Assoc Tech Sv 1 - 17-154  
Tr No RJ-507  
\$5.80 (\$1.40)

Sci - Chemistry  
Apr 1957 CTB/dex

46, 774

Kinetics of Multistage Separation Processes for  
Binary Mixtures. The Rate of Approach to Steady  
State Conditions, by S. I. Bubkov and G. V. Feldov  
Moscow University, N. N. Zhuravlev, 7 pp.

full tr

RUSSIAN, twice-mo per, Dok Akad Nauk SSSR, Vol CVII  
No 5, 1956 p 617.

Consultants Bureau

41, 651

Sci - Chemistry  
Dec 56 CPS

<p>Babkov, S. I. and Yavoronkov, N. M. CINÉTIQUE DE LA SÉPARATION DES MÉLANGES BINAIRES, RÉALISÉE A L'AIDE DES COLONNES À ÉCHELLES MULTIPLES: VITESSE DE MIGRATION VERS L'ÉTAT STATIONNAIRE, tr. by de Trevinsky. 21 June 60 [11]p. 7 refs. CEA Trans. no. R 946 (text in French). Order from OTS or SLA \$1.60</p> <p>Trans. in French of Akad[emiya] Nauk SSSR. Dokl[ady] 1956, v. 106, no. 5, p. 877-880.</p> <p>DESCRIPTORS: *Fractionation, *Mixtures, Sepa- ration, *Distilling plants.</p> <p>(Engineering--Chemical, TT, v. 6, no. 6)</p>	<p>61-23733</p> <p>I. Babkov, S. I. II. Yavoronkov, N. M. III. CEA-tr-R946 IV. Commissariat à l'Energie Atomique (France)</p> <p>17666</p> <p>Office of Technical Services</p>
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The Seismicity of the Arctic, by V. A. Tokarev,  
3 pp.

RUSSIAN, thrice-as per, Bek Ak Nauk SSSR, Vol  
CVI, No 5, 1956, pp 904-905.

Sci Mus Lib Tr 57/1956  
Dof Res D1, DS1 T 242 R

Sci - Geophysics  
Nov 57

55-123

NLC - C - 234

On the Coefficient Problem for p-Valent Functions, by  
S. A. Gel'fer.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol CVI, 1956,  
pp 955-958.

Amer Math Soc

Sci - Math & Data Pro  
Sept 63

344,238

Effect of Boron on Cereals when there is insufficient Moisture in the Soil at the Critical Period of their Development, by V. G. Romikova, F. D. Skazkin.  
RUSSIAI, per, Dokl Akad Nauk, No 100, 1956,  
pp 4-962  
GB/25

Sci -  
Aug 67                    335,148

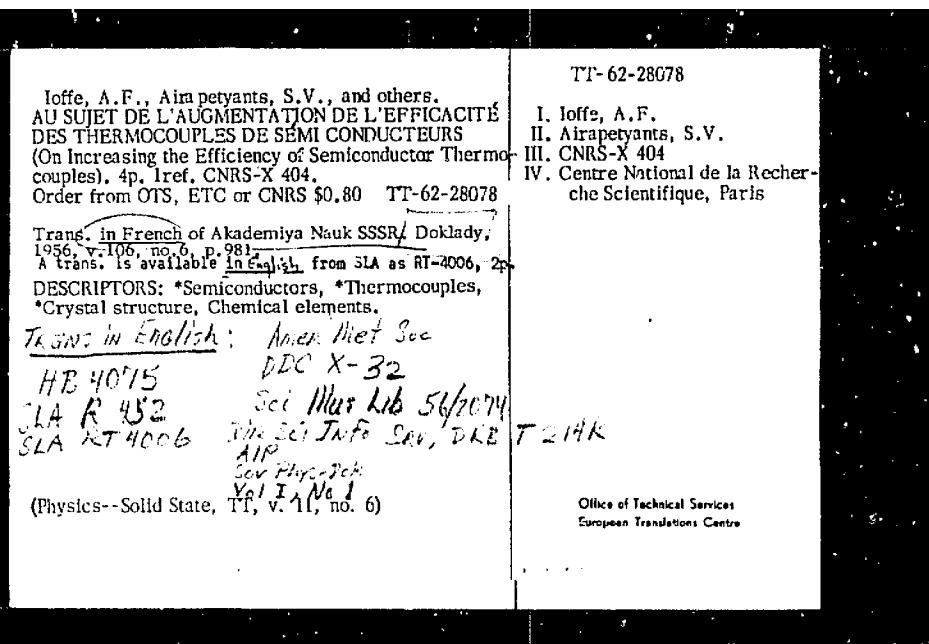
The Relations Between Cross Sections for Multiple  
Pion Production, by N. V. Dushin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 6, pp 977-~~980~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 1

Sci & Phys

Aug 57



A Microtron With Weak Phasing, by E. M. Moroz,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 6, pp 986-~~987~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 1

Sci - Phys

Aug 57

An Analysis of Some Anomalous  $\theta^0$ -Decays, by E. M.  
Fridlander, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 6, pp 989-

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 1,

Sci - Phys

Aug 57

Chemical Isolation and Analysis of Metallic Compounds  
Formed in Certain Nickel Alloys, by R. B. Golubtsova  
and L. A. Mashkovich, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 6, p 1011. 10/4.

MS6) CTS 63-11065 Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

41,512

RUSSIAN TO GERMAN Tr Sci Chem 41,512

DEC 1963

Synthesis of 1,4-Endomethylenespiro (5,5) Undecane,  
by N. V. KLAGINA, V. M. Brusnikina and B. A.  
Kazansky, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 6, 1956, p 1015.

Consultants Bureau

Sci - Chemistry  
Dec 56 CMB

41,513

The Mechanism of the MP Formation of Austenite  
During Fast Heating, by I. N. Kidin, 4 pp.

Full tr

RUSSIAN, thrice-so per, Dok Ak Nauk SSSR, Vol CVI,  
No 6, 1956, p 1019.

Consultants Bureau

44, 514

Sci - Chemistry  
Dec 56 CTS

The Mobility of Sulfur in the Methyl Ester  
of Diethyldithiocarbamic Acid and in Nickel  
Ethyl Xanthate, by I. I. Kukhtenko, L. E.  
Burisser and G. P. Miklukhin. 4 pp.

Full tr

RUSSIAN, thrice-wo per, Dok Ak Nauk SSSR,  
Vol CVI, No 6, 1956, p 1023.

Consultants Bureau

41,515

Sci - Chemistry  
Dec 56 CTS

Isomeric Transformation of Ayleenes over  
Aluminosilicates and Their Demethylation in  
the Presence of Benzene, by Yu. G. Mamedaliev,  
A. V. Topchishev, G. N. Mamedaliev, and G. N.  
Suleimanov, 3 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVI,  
No 6, 1956, p 1027.

41,505

ERIK  
Consultants Bureau

Sci - Chemistry  
Dec 56 CX5

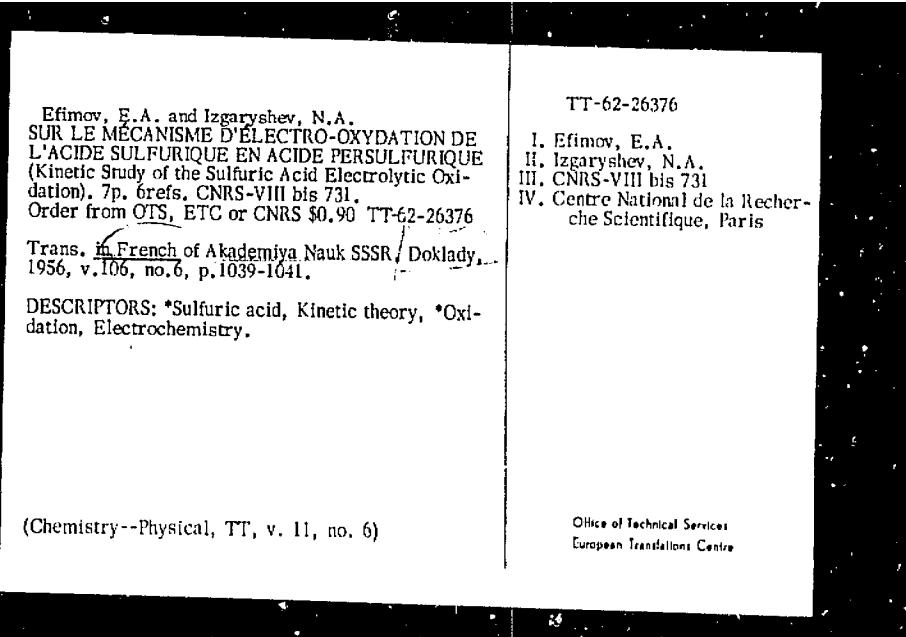
The Mechanism of Catalytic Polymerization of  
Unsaturated Compounds, by A. R. Gantmakher, S. S.  
Medvedev.

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol. CVI, 1956,  
pp 1031-1034.

Assoc Tech Sv  
\$5.25 Tr RJ-815

Sci - Chemistry  
Aug 57

51,744



The Acid-Base Mechanism of Adsorption on Silica Gel, by  
A. V. Kiselev, 7 pp.

RUBSTAN, per, Dok Ak Nauk SSSR, Vol CVI, <sup>No 6,</sup> 1956, pp  
1046-1049.

SLA 58-80

Sci

Aug 59

93, 595

The Determination of the Nickel-Electrode Capacity From the Drop in Potential After Turning Off the Polarizing Current, by V. E. Past, Z. A. Iofa.  
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 106, No 6, 1956, pp 1050-1052.  
NASA TT F-11,672

Sci/Phys  
Oct 68

369,101:

Intake and Distribution of Tracer Phosphorous by  
the Opium Poppy When Given Supplementary Food  
Other Than Through the ~~HEM~~ Roots, by V. V.  
Koperzhinsky, V. V. Sheberstou, 6 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,  
Vol CVI, No 6, 1956, p 1061.

Consultants Bureau

41 653

Sci - Biology  
Dec 56 CTS

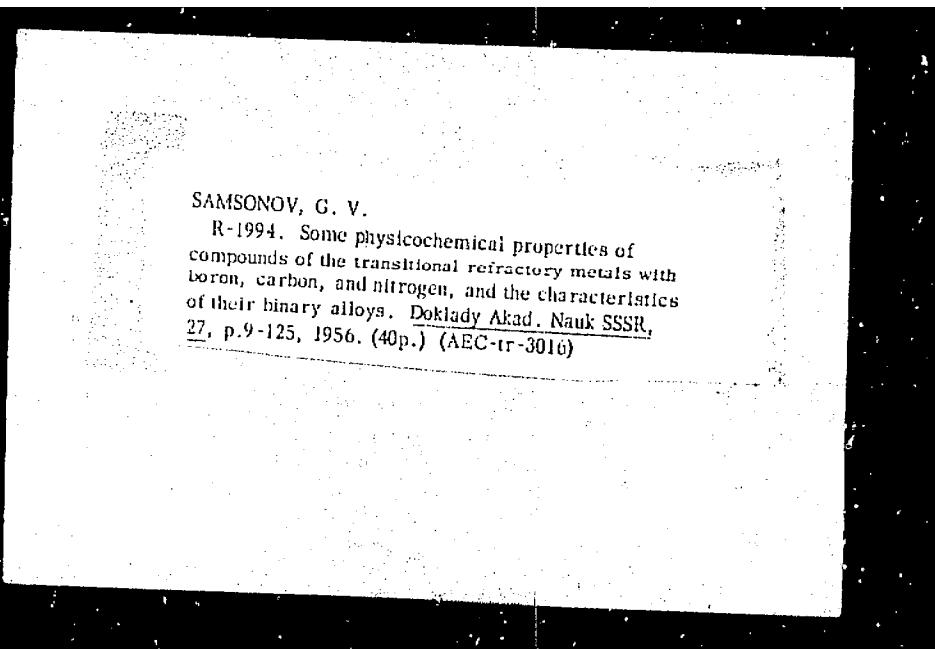
The Chemical Mechanism of the Oxidation of Propane  
in the Gas Phase, by V. M. Byr'ko, et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVIII, No 6,  
1956, pp 1093-1095.

AT&T RJ-1190

Sci - Chem  
Apr 60

114541



SAMSONOV, G. V.

R-1994. Some physicochemical properties of  
compounds of the transitional refractory metals with  
boron, carbon, and nitrogen, and the characteristics  
of their binary alloys. Doklady Akad. Nauk SSSR,  
27, p.9-125, 1956. (40p.) (AEC-tr-3016)

(NY-5591)

Self-Similar Problem of the Development of a Shock Wave From a Compression Wave, by A. S. Kompanejets, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, Mar 1956, pp 29-32.

JPRS 7587

Sci - Physics

Apr 61

146,661

On the True Shape of X-Ray Spectra, by M. A. Blokhin,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 1, pp 33-~~37~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

On the Indirect Exchange Interaction, by S. V.  
Vonsovskiy, Yu. M. Seiydov, 3 pp.

RUSSIAN, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 1, pp 37-~~38~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

On the Impossibility of Explaining the Stability of  
Hyperons by Their Large Spins, I. I. Gurevich, 2 pp.

RUSSIAN, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 1, pp 41-52

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

The Interaction of 300 MEV  $\pi^-$ -Mesons With Protons,  
Deuterons, and Nuclei in Nuclear Emulsions, by  
L. S. Dulkova, T. A. Romanova, I. B. Sokolova,  
L. V. Sukhov, D. K. Tolstoy, M. G. Shafrenova,  
4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSR, Vol  
CVII, 1956, pp 43-46.

AEC Tr 2492

Sci - Nuclear Physics

36, 583

Jul 1956

Axially Symmetric Electron Beams of a Given Shape,  
by V. T. Ovcharov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 1, pp 47-~~50~~

JLA 62-34629  
Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

Unusual  $V^0$ -Decay, by E. Friedlander, S. Bercoa,  
3 pp.

RUSSIAN, thrice-no par, Dok Akad SSSR, Vol  
CVII, 1956, pp 51-53.

AEC Tr 2491

Sci - Physics

Jul 1956

36, 582

Effect of Variable Flux of Positive Solar Particles  
on Ionospheric Wind.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, 1956, pp 59-62, Encl to IR-760-57, OAirA,  
Ottawa.

Ref: AF 1146222

Dir Sci Info Sv

DRB T 258R 57, 389

Sci - Geophysics  
Jan 58

Thresholds of Color Discrimination in Macrodetails  
of Color Photography Images in Terms of Dye Concentra-  
tion Values, by Ya. N. Gorokhovskiy, K. B. Popova,  
9 pp.

RUSSLAN, three-cc per, Dok Akad Nauk SSSR, Vol CVII,  
No 1, 1956, pp 63-66.

Sci - Physics  
Rev 57

SCI A P - 917  
Sci Mus Lab Tr 57/1785  
(C19/X-2632)  
1/2A  
55, 108

Bond Energies and Heterogeneous Catalysts, by A. A.  
Balandin, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, p 85- 86

1958  
Consultants Bureau

Sci - Chemistry  
Dec 56 CIS

41,532

11-196

Thermal Chlorination of Propane, by B. A. Krentsel,  
Academician A. V. Topchikov, and D. E. Ilyina, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, p 89.

Consultants Bureau

Sci - Chemistry  
Dec 56 CFS

41,533

The Rule of Auwers-Skita and the Properties of  
Stereoisomeric 1,4-Diisopropylcyclohexanes, by A. L.  
Lberman, T. V. Lashina and B. A. Kazansky, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, p 93.

Consultants Bureau

41534

Sci - Chemistry  
Dec 56 CTS

Experimental Study of Equilibrium Conditions During the Reaction of Zinc Oxide with Zinc Sulfide, by A. I. Okuney and L. A. Popovkina, 2 pp.

full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, p 97.

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

41,535

The Direct Synthesis of Alkyl- and Alkenylchlorosilanes from 1,1-Dichloro-ethane and 2,2-Dichloropropane, by A. D. Petrov, S. I. Sadykhzade and I. L. Tsetlin, 4 pp.

Full tr

RUSSIAN, TERCHE MO PER, Dok Ak Nauk SSSR, Vol CVII,  
No 1, p 99.

Consultants Bureau

44,528

Sci - Chemistry  
Dec 56 CTS

A New Method of Synthesis of Polyenic Ketenes with  
Conjugated Double Bonds, by GEl. I. Samokhvalov, M.  
A. Miropolskaya, and N. A. Preobrazhensky, 2 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVII,  
No 1, p 103.

Consultants Bureau

41,529

Sci - Chemistry  
Dec 56 CTS

Venstrem, E. K., Likhtman, V. I., and Rebinder, P. A. ELECTROCAPILLARY EFFECT OF HARDNESS REDUCTION AND OF EXTERNAL FRICTION OF METALS. [1962] 7p. 19 refs. Order from OTS or SLA \$1.10	62-16677 I. Venstrem, E. K. II. Likhtman, V. I. III. Rebinder, P. A.
Trans. of Akademiya Nauk SSSR Doklady, 1956, v. 107, p. 105-107.	
DESCRIPTORS: *Metals, Friction, Hardness, Reduction, *Mechanical properties, Electrolytes, Electric potential, Electrical double layer, *Electrochemistry.	
Values of potentials of the neutral charge on hard metals (in relation to the standard weight of electrolyte) are tabulated.	
(Metallurgy, TT, v. 9, no. 4) RUSSIAN TO FRENCH OTS 77-62-28578	(over) Office of Technical Services

New Method of Determination of the Physical and  
Chemical Adsorption on Oxide Semiconductor  
Catalysts, by S. Yu. Rlovich, L. Ye. Varganova,  
4 pp. 0003

IZVESTIYA, 1958, Dok. Akad. Nauk SSSR (Phys. Chem.),  
Vol CVII, 1958, pp 112-114. CIA 9733026

ACMIL 1033

Sci - Chem  
Jun 59

88, 442

Distribution of Elements in Paleozoic Clays of the  
Volga-Ural Region, by S. M. Matchenkov, 6 pp.

Full tr

1956, RUSSIAN, thrice-mo per, Dok Ak Nauk SSR, Vol CVII,  
No 1, p 115.

Consultants Bureau

Sci - Geophysics  
Dec 56 CTS

44,500

Thermal Analysis as a Method for the Determination  
of the Degree of Kaolinization of Spodumene, by  
S. G. Tumanov, G. N. Maslennikova, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSR, Vol CVII,  
No 1, p 119.

1956

Consultants Bureau

41, 659

Sci - Chemistry  
Dec 56 CTS

Investigation of the Nature of Oxide-Type Flaws in  
BEX Drop Forgings from Aluminum Alloys, I. N.  
Fridlyander, 4 pp.

Full tr

RUSSIAN, ~~TEX~~ thrice-mo per, Dok Ak Nauk SSR, Vol CVII  
No 1, p 122. <sup>124</sup>  
1956

Consultants Bureau

41,640

Sci - Chemistry  
Dec 56 CTS

Vibration of Thin-Walled Elastic Bodies in a Gas Flow, by G. I. Kopzon, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 2, 1956, pp 217-220.

Morris D. Friedman  
\$3.00 K-137

Sci - Physics

38,249  
CTE 62 11373

Hypersonic Gas Flow Around a Body, by G. G.  
Chernyi, 6 pp.

RUSSIAN, thrice-pp per, Dok Ak Nauk SSSR, Vol CVII,  
No 2, 1956, pp 221-224.

Morris D. Friedman  
\$3.00

Sci - Physics

38,247

90924.21

Ustrynev  
Instrumental Distortion of X-Ray Spectra, by M. A.  
Blokhin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 2, pp 229- ~~230~~

Amer Inst of Phys  
Sci Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

Primary Ionization by Fast Muons, by G. P. Eliseyev,  
V. A. Iyubimov , A. M. Frolov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 2, pp 233-~~235~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

AUG 57

Diffusion Chamber Study of Negative Pion Scattering  
in Hydrogen, by M. Kozodayev, R. Sulishev, A. Filippov,  
Yu. Shcherbakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 2, pp 236-~~237~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

The Application of Fermi's Equation to the Polarization of Scattered Fast Nucleons, by I. I. Levintov,  
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 2, pp 240-

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

AUG 57

Approximate Solution of the Problem of the Unsteady Motion of a Viscous-Plastic Fluid in a Circular Cylindrical Tube, by A. Kh. Mirzadzhanyan, A. A. Abbasov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
1956, pp 249-251.

ACSTL Tr 954

Sci - Physics  
Apr 58

60, 968

Synthesis in the Field of C-C-Derivatives of Carbohydrates, by Yu. A. Zhdanov, L. I. Shcherbakova, and R. V. Golovnya, 4 pp.

full tr

RUSSIAN, ZEMK thrice-mo per, Dok Ak Nauk SSSR, Vol CVII, No 2, p 259.

Consultants Bureau

41,530

Sci - Chemistry  
Dec 56 CPS

Synthesis of AlkylferrocenMes, by A. N. Nesmeyanov,  
and N. A. Volkenau, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok, Ak Nauk SSSR, Vol CVII,  
No 2, p 262.

Consultants Bureau

41,531

Sci - Chemistry  
Dec 56 CTS

Synthesis of Alkylferrocenes, by A. N. Nesmeyanov,  
N. A. Vol'kenau, 6 pp.

Full tr

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, No 2,  
1956, pp 262-264.

ATIC F-18-10052/III

Sci - ~~XXXXXXXXXX~~  
Dec 1956 ~~xx~~ CIS/dex

Chemistry 41, 867

Alkylation of Chlorobenzene with Isopropyl Chloride in  
the Presence of  $\text{AlCl}_2 \cdot \text{HSO}_4$  Complex, by A. V. Topchil'sev,  
B. A. Krentsel and L. N. Andreev, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 2, p 265.

REF ID: A2482 (710)  
Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

41,524

The Chemical Nature of the Toxin Secreted by a  
Malignant Tumor, by A. M. Kuzin, I. A. Chudinova,  
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, 1956,  
pp 289, 290.

AEC Tr 3183

Sci - Med

May 58

62, 653

Continuous Mass Transfer in Recirculating  
EW Columns, by A. M. Rozen, 6 pp.

Pull tr

RUSSIAN, thrice-tr per, Dok Ak Nauk SSSR, Vol  
CVII, No 2, p 295.

1956

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

44-661

Zhebrak, A. R.

THE INFLUENCE OF GRAFTING ON SEED PROGENY AND ON THE SEGREGATION OF HYBRIDS IN THE SECOND GENERATION (Vliyanie Privivki na Semennoe Potomstvo i na Reshcheplenie Gibrilov Vtorom Pokolenii). 1961, 4p. 4 refs. PL-480 Agr. Order from OTS \$0.50 60-51030

Trans. of Akademiya Nauk SSSR, Doklady, 1956, v. 107, no. 2, p. 325-327.

DESCRIPTORS: Reproduction, \*Seeds, \*Genetics, Nuclei (Biology), Tissues (Biology), Pollen

A thorough study was made of the seed generation from graft combinations of pure strains of pea, and of their hybrids. The grafting of constant (homozygous) lines had no influence whatsoever on hereditary characters; The degree of dominance or of recessiveness (Biological Sciences--Botany, TT, v. 7, no. 4) (over)

60-51030

- I. Zhebrak, A. R.
- II. PL-480 Agr (60-51030)
- III. National Science Foundation, Washington, D. C.

Office of Technical Services

Reversible Action of Light on Its Transmission  
by Leaves, by L. H. Bell, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
1956, pp 329-332.

SLA R-1344

May 58

64,603

The Vertex Part at High Energies, by V. Z. Blank,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 3, pp 389-~~390~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

The Temperature Dependence of the Elastic Constants  
of Quartz, by V. G. Zubov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 3, pp 392-~~348~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

The Diffractive Scattering of Fast Deuterons, by A. I.  
Akhiezer, A. G. Sitenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 3, pp 385-~~386~~.

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

AUG 57

Vibrations of a Shallow Wing-Shell in a Gas Flow, by  
G. I. Kozon, 6 pp.

RUSSIAN, per, Dok Ak Nauk USSR, Vol CVII, No 3, 1956,  
pp 377-380.

Morris D. Friedman  
\$3.00

K-136

Sci. o Physics  
Mar 59

84,408

The Determination of Internal Conversion Ratios  
for the Isomeric Transition of In<sup>114</sup>, by V. M.  
Kel'man, R. Ya. Metskhvarishvili, V. A. Ruzenov, L. I.  
Rusinov, K. A. Konoplev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 3, pp 394- ~~395~~

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

The Effect of Quantum Fluctuations of Radiation on  
Electron Motion in Periodic Magnetic Systems, by  
A. A. Kolomenskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 3, pp 398-~~401~~.

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci - Phys

Aug 57

The Fine and Superfine Structure of Paramagnetic Resonance in Divalent Europium, by A. A. Manenkov, A. M. Prokhorov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, 1956,  
pp 402-404.

AEC Tr 2825

43, 103

Sci - Physics

Mar 57/CTS

Adaption of the Light and Color Distinguishing Apparatus of Vision, by A. A. Gyurdzhian,  
7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
CVII, No 3, 1956, pp 405-407.

Sci Mus Lib Tr 57/3670  
Mail Rec Cen 77-627

Sci - Physics  
~~EXX~~ 58  
Apr

60,512

SLA TR R-2089

Exchange of Sulfate Ions in Solutions of Basic Chromium Sulfate, by Yu. P. Nazarenko and Ya. A. Fyalkov, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 3, p 413.

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

41, 525

Synthesis of 2-Ethylanthraquinone Tagged with Carbon C<sup>14</sup> in the Nucleus, by A. P. Terentyev, S. V. Syavtsillo, V. I. Savushkina, E. M. Zhernovskaya and B. A. Charskaya, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 3, p 417.

Consultants Bureau

41, 526

Sci - Chemistry  
Dec 56 CIS

Dehydrochlorination of 1,1,1,3-Tetrachloro-~~H3~~-Tetrachloro-3-methylbutane, by A. V. Topchiev, N. F. Bogomolova and Yu. Ya. Goldfarb, 4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 3, p 420.

Consultants Bureau

41,527

Sci - Chemistry  
Dec 56 CTS

A Study of Structure Formation in Water Suspensions  
of Gypsum, by V. N. Izmailova, E. E. Segealova,  
P. A. Rebinder, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, No 3, pp  
425-427, 1956.

SLA R-1620

Sci - Chem  
Aug 58

70.597

The Nature of the Optimum Cure of Natural Rubber,  
by A. S. Kuz'minskiy, V. F. Chertkova.

RUSSIAN, per, Doklady Ak Nauk SSSR, Vol CVII, No 3,  
1956, pp 428-431.

Sci - Chemistry  
Aug 57

Assoc Tech Sv  
\$5.35 Tr RJ-801  
A75 E75-1801  
*5/759*

Influence of Temperature on Steric Factors in  
Simple and Radical Reactions, by A. D. Stepkovich.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 3, 1956, pp 436-439.

Sci Mus Lib Tr 56/3994

Sci - Physics  
Jul 57

CSIRO

49, 381

Causes of the Perennial Changes in the Hydro-  
chemical and Hydrologic Features of the Upper  
Active Layer of the Black Sea, by Ya. K. Gololobov,  
4 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
MEDYK No 3, p 441.

Consultants Bureau

Sci - Geophysics  
Dec 56 CTB

41,509

Titanium in the ~~K~~ Deposits of the Okhotsk Sea, by  
E. A. Ostromov, 6 pp.

Full tr

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 3, p 444.

Consultants Bureau

Sci - Geophysics  
Dec 56 CTS

41,570

Paths of Synthesis of Phospholipides in Chloroplasts  
in Vitro, by N. M. Sisakyan, B. P. Smirnov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, 1956,  
pp 449-451.

SLA Tr R-1345

Sci

Jun 58

65,851

Crystal Structure of Wollastonite, by Kh. S. Kamedov,  
N. V. Belov, 11 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
CVII, No 3, 1956, pp 463-466.

Sci Mus Lib Tr 57/3673

Sci - Chemistry  
Mar 56

60,515  
SVA - R - 2090  
Co. 3 Jan 483

Variation in the Specific Weight of Coals and  
Anthracites Accompanying Depth Metamorphism, by  
V. I. Skok.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, No 3,  
1956, pp 467-470.

CSIRO-3461

Sci

Jul 59

91,363

Fossil Pollen of the Genus Eremurus M. B. , by  
A. N. Glaskova, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CVII,  
No 3, 1956, pp 471-472.

Assoc Tech Sv

Tr 11K12R

AT&T REC-564

Sci - Biology

Jun 57 CIA/FDD X-2447

48,692

On a Local Limit Theorem for Inhomogeneous Markoff  
Chains, by V. A. Statulyavicus, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVII, 1956,  
pp 516-519.

Rand Corp T-67-7371  
T-67

40,319

Sci - Physics

General Equation for the Maximum Carrying Capacity of Channels for Non-Creative Elements, by I. V. Egiazarov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 67, No 4, 1956.

Dpt of Int  
US Bur of Reclamation  
Tech Lib  
Denver, Colo.

Sci ~ Maths

Jun 59

89.917

The Theory of the Striated Positive Column, by  
I. M. Chapnik, pp 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVII,  
No 4, pp 529-

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 2

Sci-Phys

Aug 57